

101

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1-6-7

Proc Act

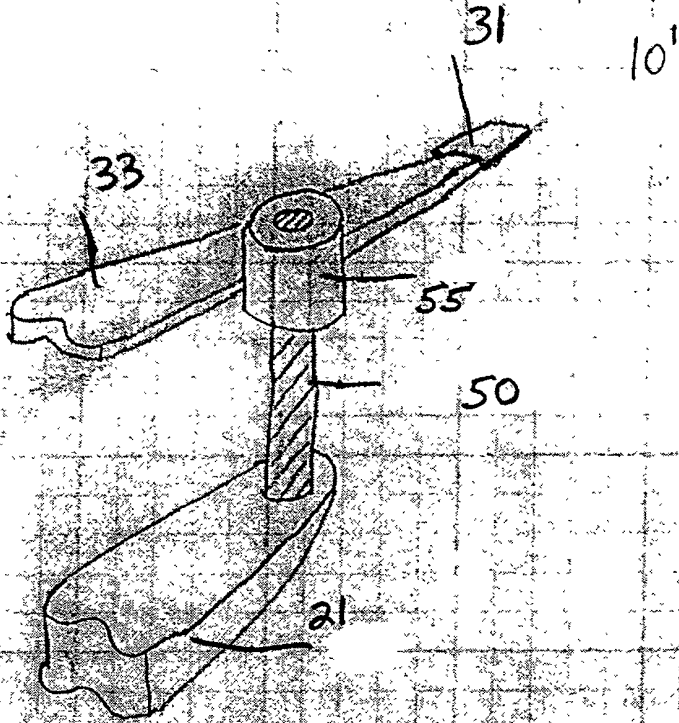


FIG. 2

PRIOR ART

Figure 3

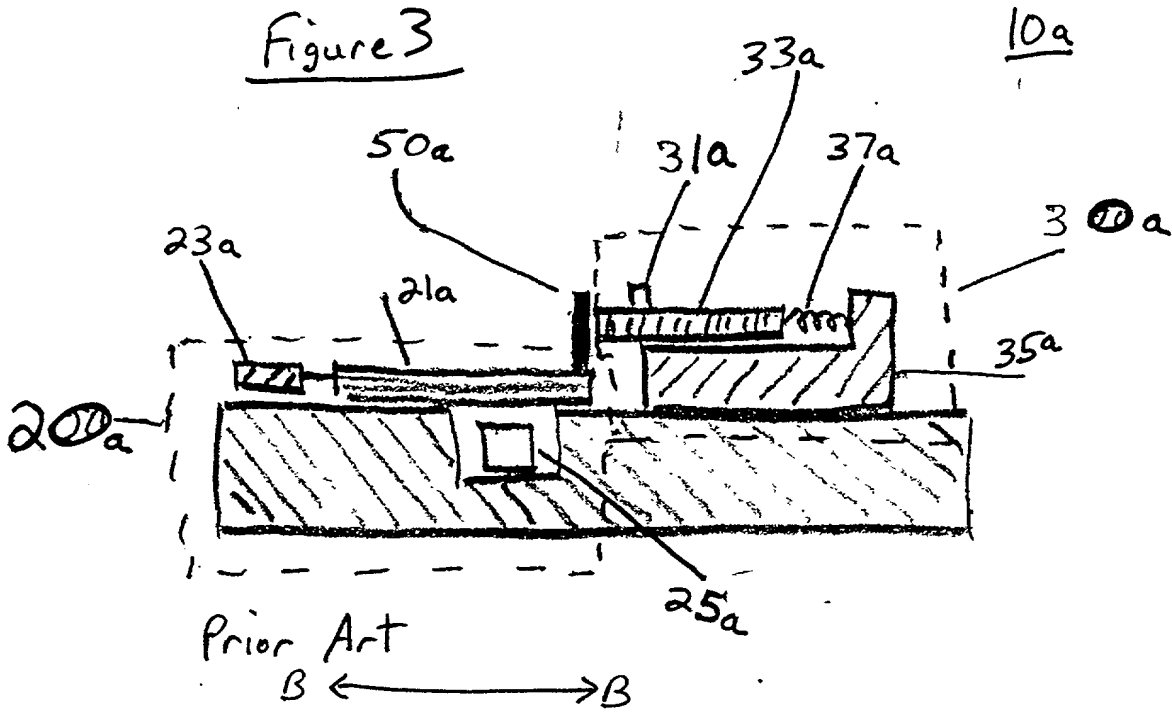
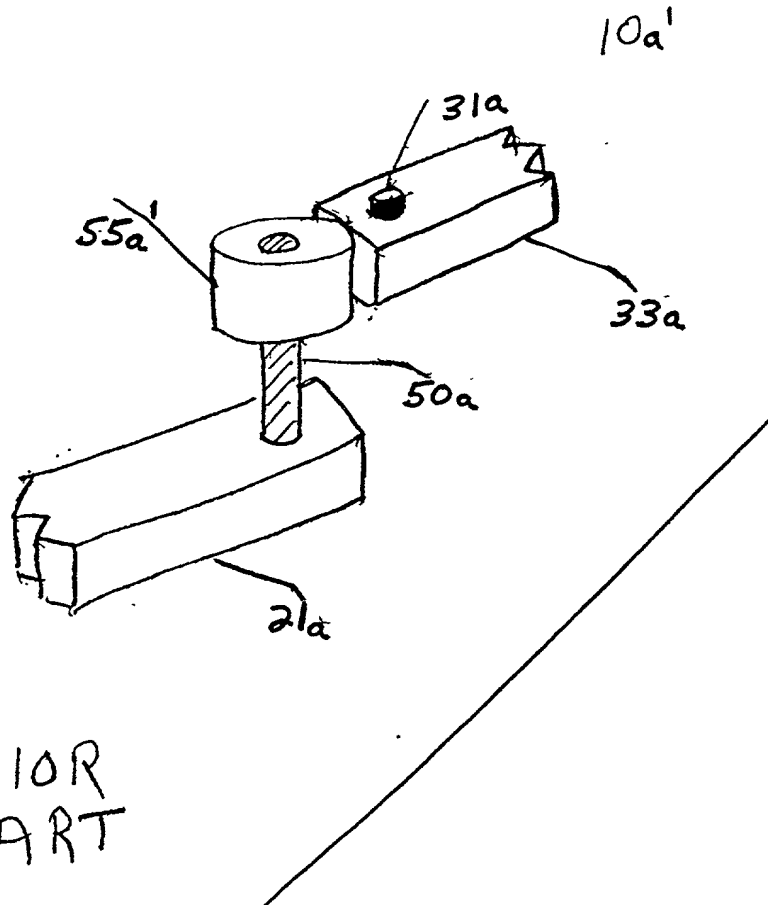


Fig 4



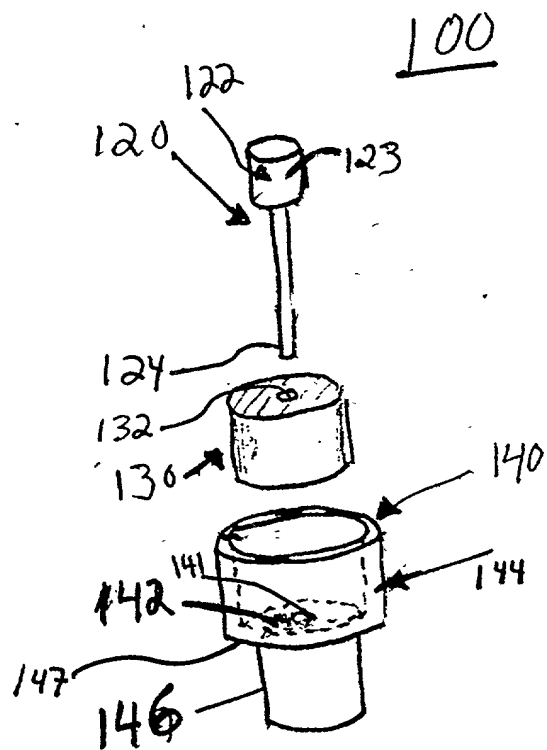


Figure 5

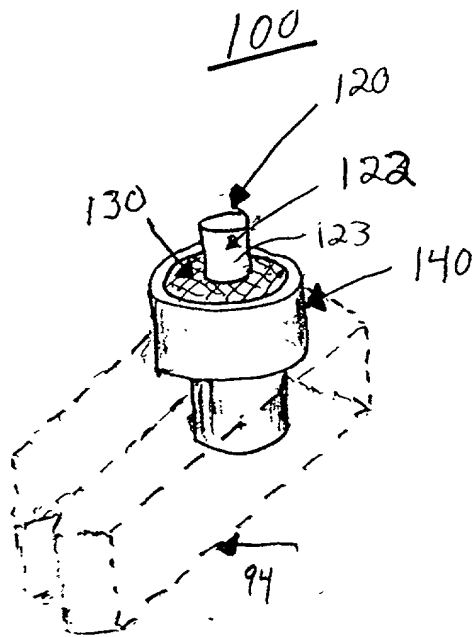


Figure 6

90

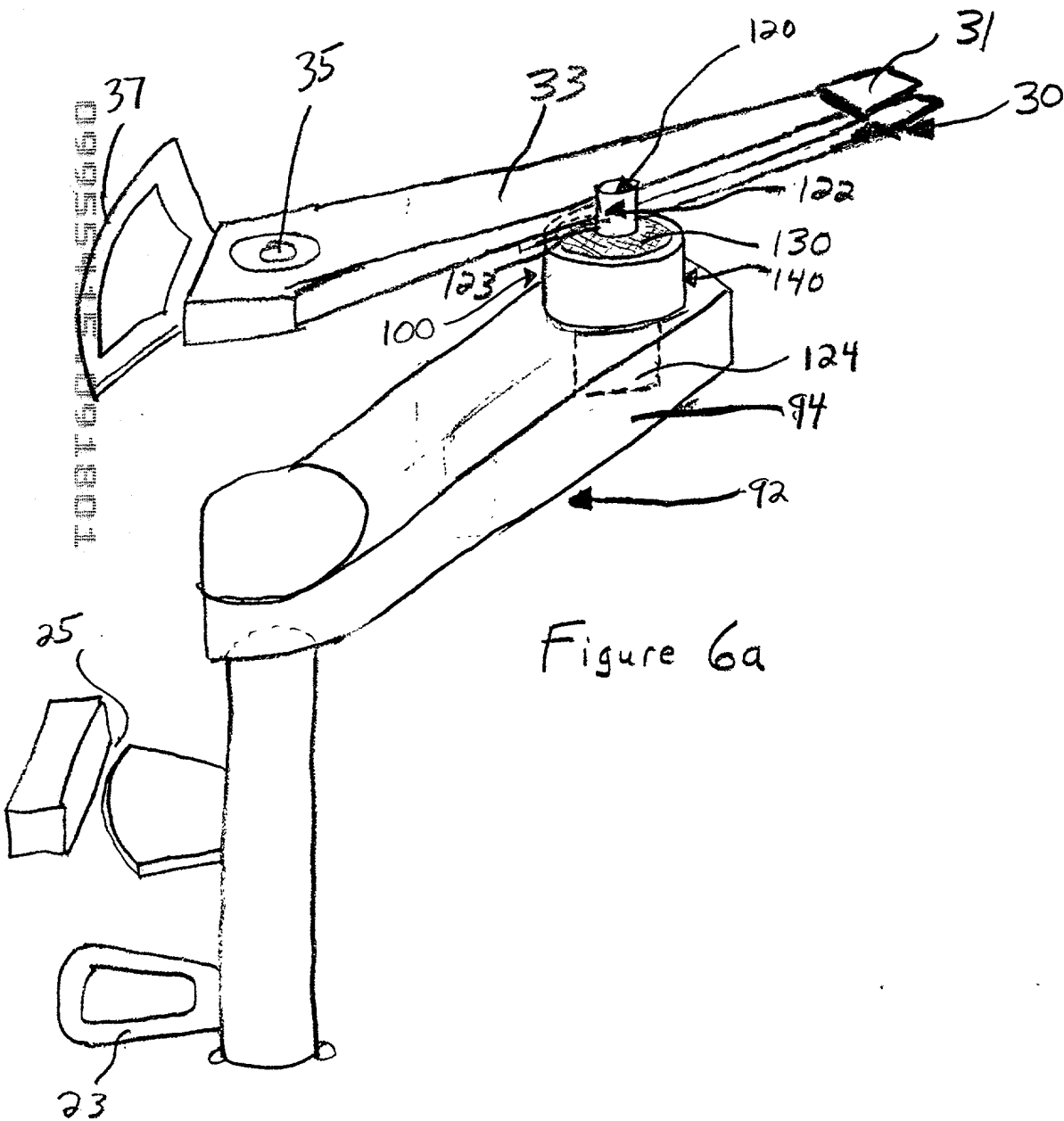


Figure 6a

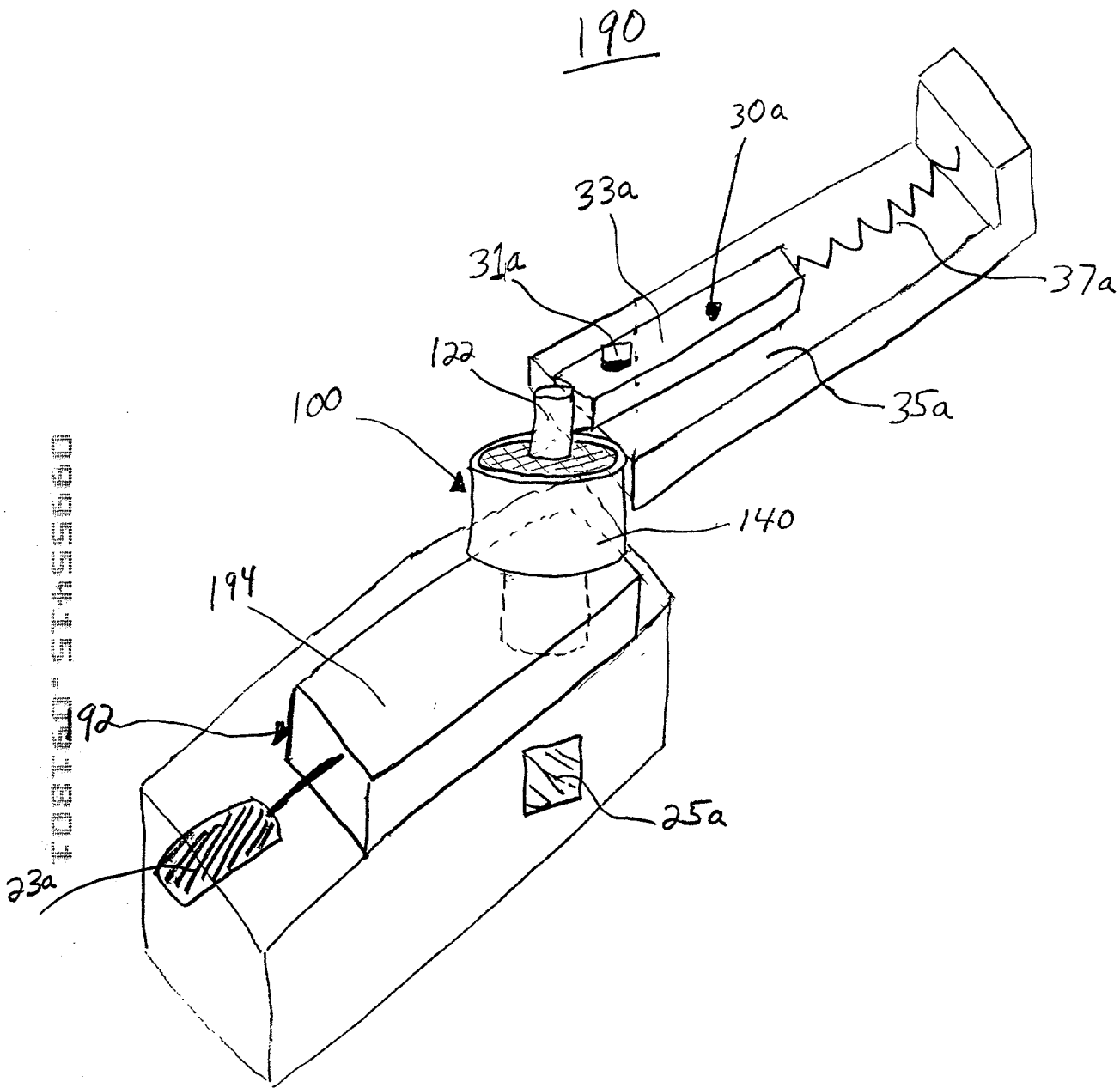


Figure 6b

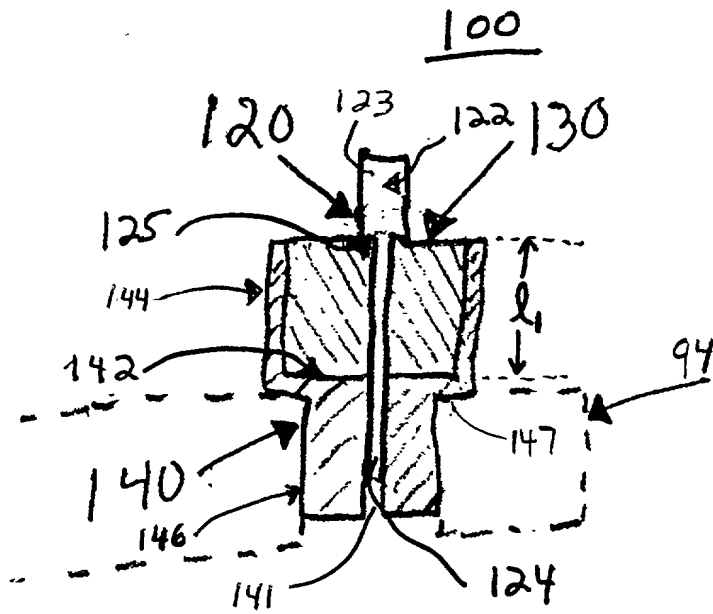


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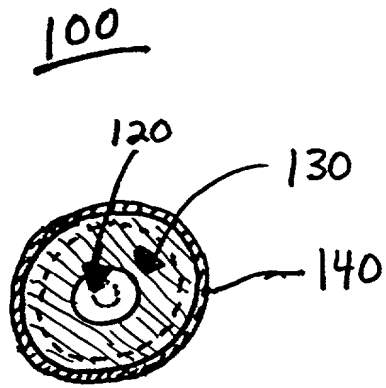


Figure 8

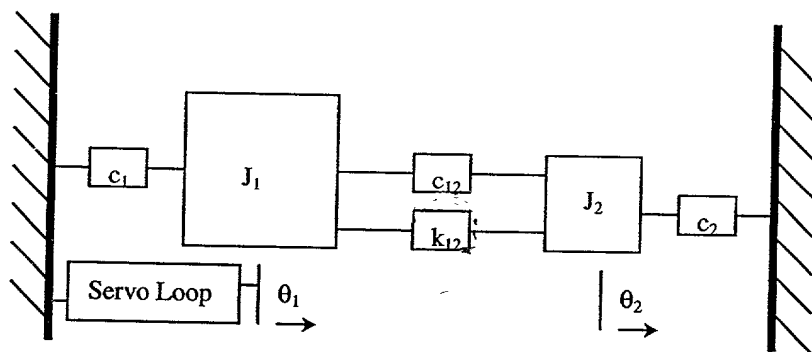
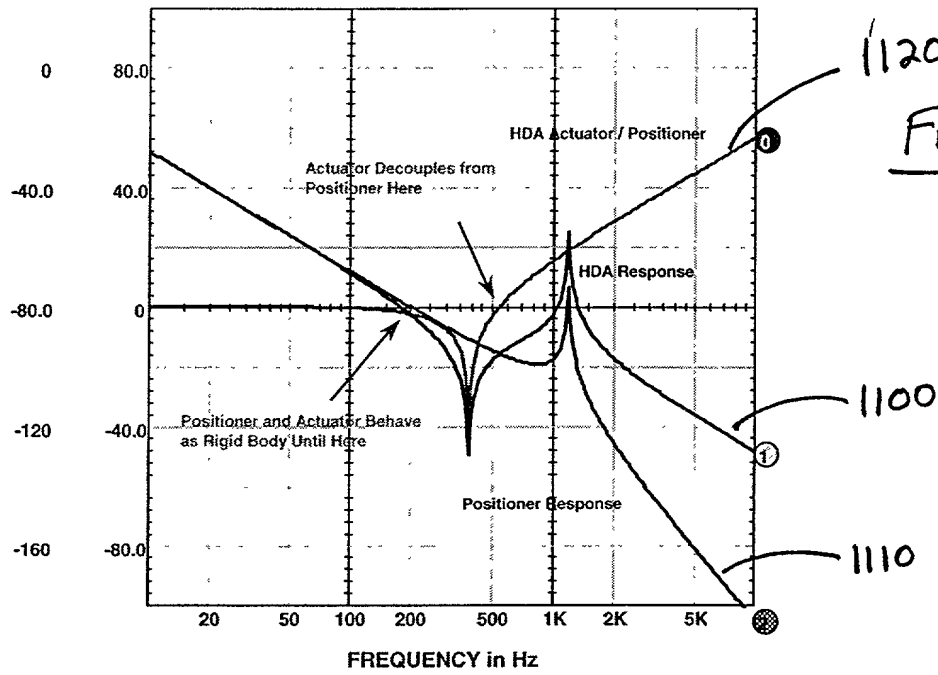


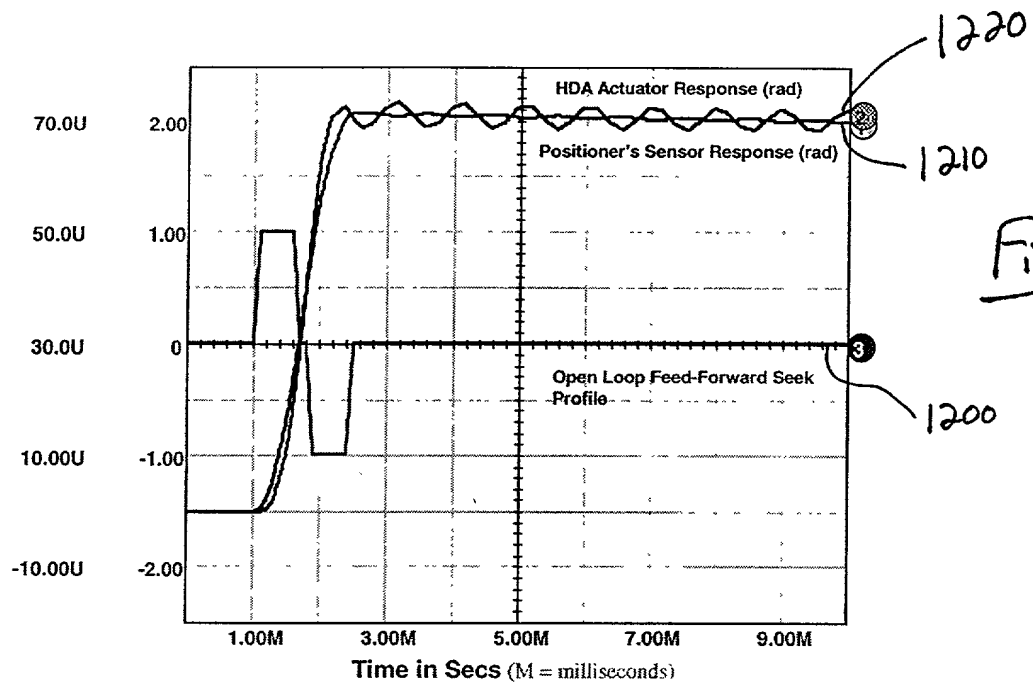
Figure 9

TOP SECRET



Bode Response with Torque Disturbance at HDA Actuator

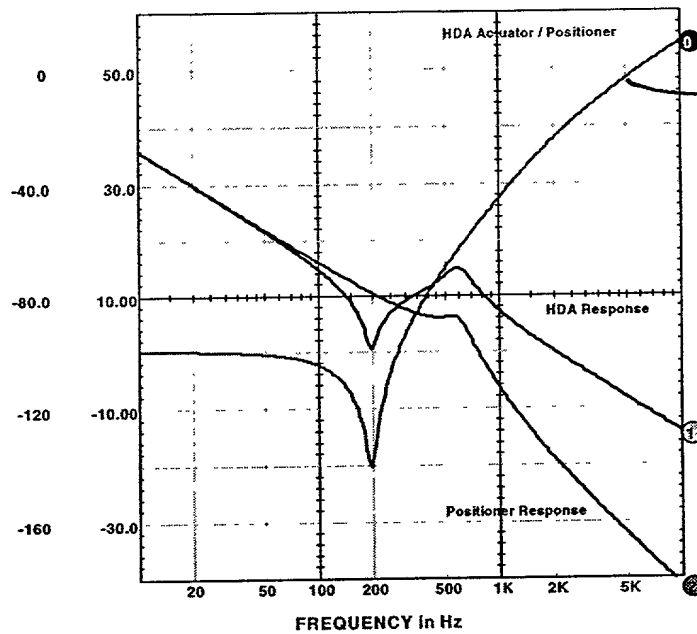
095415-001001



Positioner and HDA Response with Bang-Bang Seek Profile with Stiff Pin

Figure 11

090545 091301
F03T60 ST455660



Response Due to Torque Disturbance at HDA Actuator
with Soft Material between HDA and Positioner

Figure 12

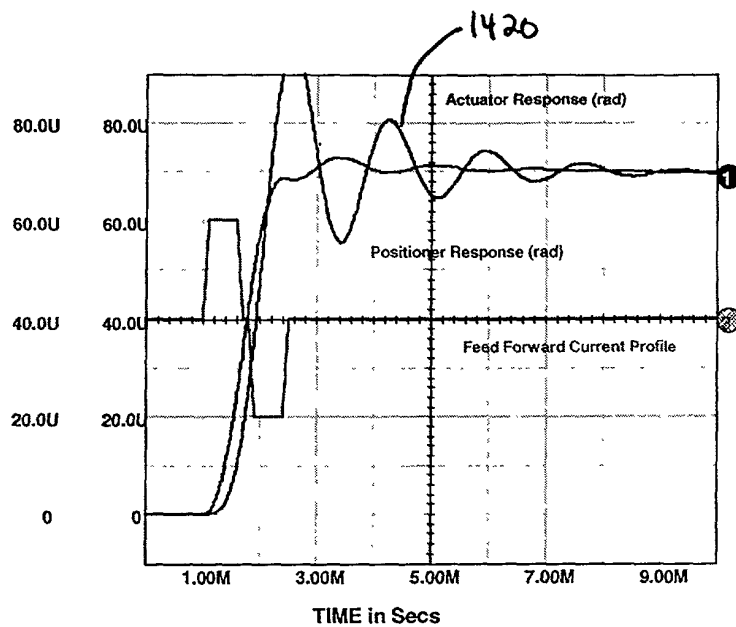
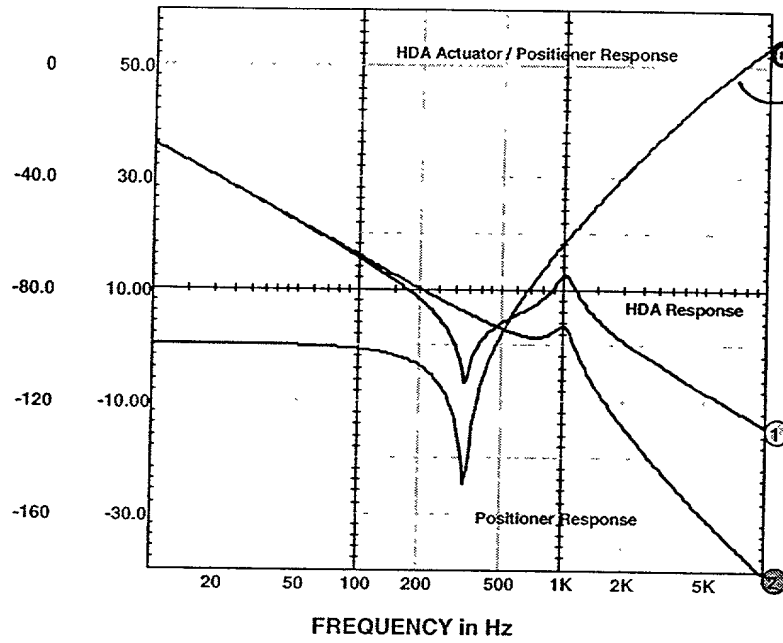


Figure 13

Actuator and Positioner Response for Standard Bang-Bang Seek with Soft Material

09545.091804

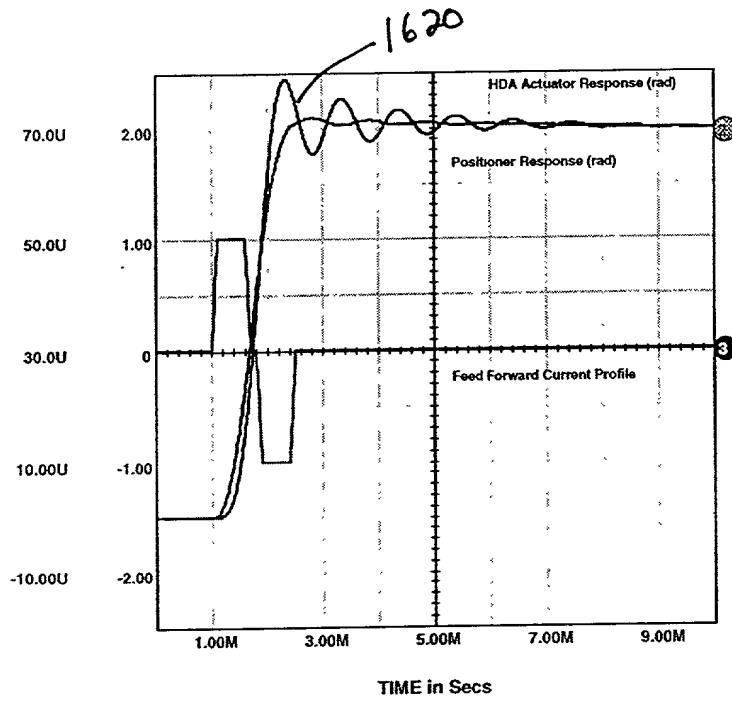
108F60-5T455660



Response for Torque Disturbance at Actuator with Eng Pin

Figure 14

005445.0001



Positioner and Actuator Response with Engineered Pin

Figure 15

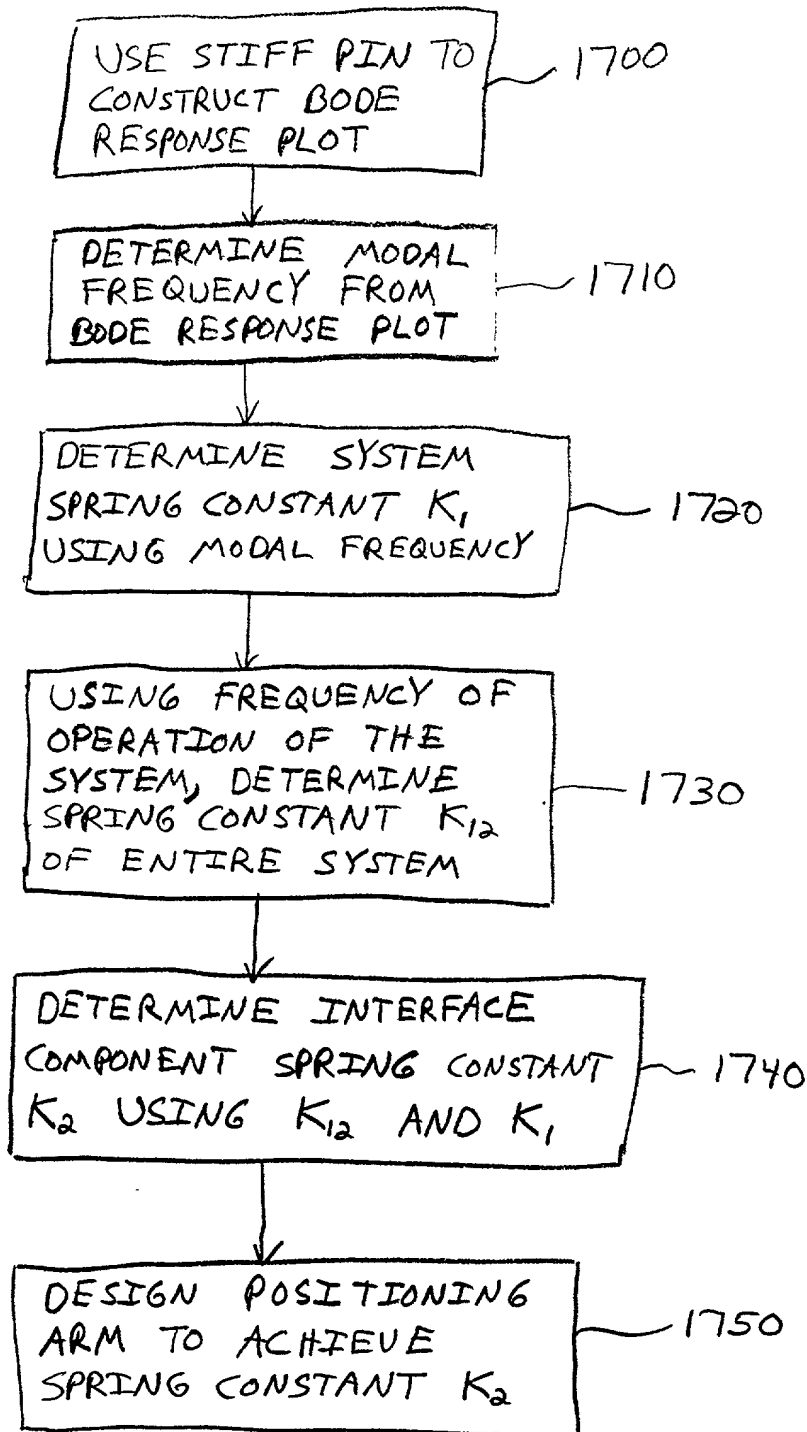


Figure 16